



Aalto University

Smart vehicle camera system for machine vision applications

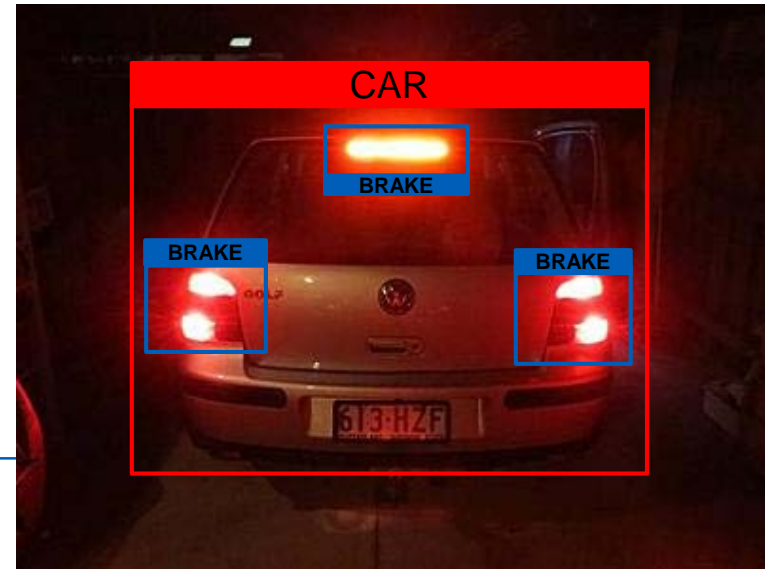
Motivation

Monitoring vehicle internal conditions

- Detecting litter and forgotten belongings, such as mobile phones
- Monitoring driver state, e.g. drowsiness

Surveying surrounding traffic

- Advanced driver assistance systems
- Analyzing other traffic users



List of Requirements

Cameras attached to

- Side mirrors
- Bumper
- Dashboard / rear-view mirror
- Interior ceiling

Finished and clean consumer grade design

Connectivity to on-board computer



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